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<120> TGFβb1-inhibitor peptides

<130> U-013446-9

<140> 09/831,253
<141> 2001-05-07

<150> PCT/ES99/00375
<151> 1999-11-23

<150> P9802465
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<213> Synthetic peptide from human TGBβ1
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<210> SEQ ID NO: 21
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5 10 15

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<213> Synthetic peptide from human TGBβ1
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<213> Synthetic peptide from human TGBβ1
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<400> Leu Tyr Asn Gln His Asn Pro Gly Ala Ser Ala Ala Pro Cys Cys
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<213> Synthetic peptide from human TGBβ1
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<400> Tyr Asn Gln His Asn Pro Gly Ala Ser Ala Ala Pro Cys Cys
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<210> SEQ ID NO: 28
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Leu Ala Leu Tyr
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<210> SEQ ID NO: 38
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5 10

<210> SEQ ID NO: 39
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<210> SEQ ID NO: 40
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<213> Synthetic peptide modified from human TGBβ1
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<210> SEQ ID NO: 41
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<213> Synthetic peptide modified from human TGBβ1
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<210> SEQ ID NO: 42
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<213> Synthetic peptide modified from human TGBβ1
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<210> SEQ ID NO: 43
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<212> Peptide
<213> Synthetic peptide modified from human TGBβ1
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<210> SEQ ID NO: 44
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<400> Asp Gly Pro Cys Pro Tyr Ile Trp Ser Asp
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<210> SEQ ID NO: 47
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<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 712-723
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<210> SEQ ID NO: 58
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<213> Synthetic peptide from rat TGBβ1 type III receptor
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<210> SEQ ID NO: 59
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<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 722-733
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<210> SEQ ID NO: 60
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<213> Synthetic peptide from rat TGBβ1 type III receptor
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<400> Asp Asp Ala Cys Thr Ser Leu Asp Ala Thr Met Ile
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<210> SEQ ID NO: 61
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<213> Synthetic peptide from rat TGBβ1 type III receptor
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<400> Met Ile Trp Thr Met Met Gln Asn Lys Lys Thr Phe
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<210> SEQ ID NO: 63
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<213> Synthetic peptide from rat TGBβ1 type III receptor
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<210> SEQ ID NO: 64
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<213> Synthetic peptide from rat TGBβ1 type III receptor
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<400> Thr Phe Thr Lys Pro Leu Ala Val Val Leu Gln Val
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<210> SEQ ID NO: 65
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<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 761-775
<400> Lys Glu Asn Val Pro Ser Thr Lys Asp Ser Ser Pro Ile Pro Pro
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<210> SEQ ID NO: 66
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<210> SEQ ID NO: 67
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<210> SEQ ID NO: 70
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<213> Synthetic peptide from rat TGBβ1 type III receptor
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<210> SEQ ID NO: 71
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<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 797-809
<400> Leu Leu Thr Gly Ala Leu Trp Tyr Ile Tyr Ser His
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<210> SEQ ID NO: 72
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<212> Peptide
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<210> SEQ ID NO: 73
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<213> Synthetic peptide from rat TGBβ1 type III receptor
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<400> Thr Val Leu Ser Gly Cys Ala Ser Arg Gly Thr Thr Gly Leu Pro
5 10 15

<210> SEQ ID NO: 74
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<213> Synthetic peptide from rat TGBβ1 type III receptor
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<210> SEQ ID NO: 75
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<213> Synthetic peptide from rat TGBβ1 type III receptor
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<210> SEQ ID NO: 76
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<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 65-79
<400> Arg Glu Val His Val Leu Asn Leu Arg Ser Thr Asp Gln Gly Pro
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<210> SEQ ID NO: 77
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<213> Synthetic peptide from rat TGBβ1 type III receptor
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5 10 15

<210> SEQ ID NO: 78
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<400> Thr Asp Gln Gly Pro Gly Gln Arg Gln Arg Glu Val Thr Leu His
5 10 15

<210> SEQ ID NO: 79
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 80-94
<400> Gly Gln Arg Gln Arg Glu Val Thr Leu His Leu Asn Pro Ile Ala
5 10 15

<210> SEQ ID NO: 80
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<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 85-99
<400> Glu Val Thr Leu His Leu Asn Pro Ile Ala Ser Val His Thr His
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<210> SEQ ID NO: 81
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<212> Peptide
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<210> SEQ ID NO: 82
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<220> Domain: 95-109
<400> Ser Val His Thr His His Lys Pro Ile Val Phe Leu Leu Asn Ser
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<210> SEQ ID NO: 83

<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 100-114
<400> His Lys Pro Ile Val Phe Leu Leu Asn Ser Pro Gln Pro Leu Val
5 10 15

<210> SEQ ID NO: 84
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<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 105-119
<400> Phe Leu Leu Asn Ser Pro Gln Pro Leu Val Trp His Leu Lys Thr
5 10 15

<210> SEQ ID NO: 85
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<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 110-124
<400> Pro Gln Pro Leu Val Trp His Leu Lys Thr Glu Arg Leu Ala Ala
5 10 15

<210> SEQ ID NO: 86
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<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 115-129
<400> Trp His Leu Lys Thr Glu Arg Leu Ala Ala Gly Val Pro Arg Leu
5 10 15

<210> SEQ ID NO: 87
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 120-134
<400> Arg Leu Ala Ala Gly Val Pro Arg Leu Phe Leu Val Ser Glu Gly
5 10 15

<210> SEQ ID NO: 88
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 125-139
<400> Gly Val Pro Arg Leu Phe Leu Val Ser Glu Gly Ser Val Val Gln
5 10 15

<210> SEQ ID NO: 89
<211> 15

<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 130-144
<400> Phe Leu Val Ser Glu Gly Ser Val Val Gln Phe Pro Ser Gly Asn
5 10 15

<210> SEQ ID NO: 90
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 135-149
<400> Gly Ser Val Val Gln Phe Pro Ser Gly Asn Phe Ser Leu Thr Ala
5 10 15

<210> SEQ ID NO: 91
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 140-154
<400> Phe Pro Ser Gly Asn Phe Ser Leu Thr Ala Glu Thr Glu Glu Arg
5 10 15

<210> SEQ ID NO: 92
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 145-159
<400> Phe Ser Leu Thr Ala Glu Thr Glu Glu Arg Asn Phe Pro Gln Glu
5 10 15

<210> SEQ ID NO: 93
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 150-164
<400> Glu Thr Glu Glu Arg Asn Phe Pro Gln Glu Asn Glu His Leu Val
5 10 15

<210> SEQ ID NO: 94
<211> 15
<212> Peptide
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<400> Asn Phe Pro Gln Glu Asn Glu His Leu Val Arg Trp Ala Gln Lys
5 10 15

<210> SEQ ID NO: 95
<211> 15
<212> Peptide

<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 160-174
<400> Asn Glu His Leu Val Arg Trp Ala Gln Lys Glu Tyr Gly Ala Val
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<210> SEQ ID NO: 96
<211> 15
<212> Peptide
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<220> Domain: 165-179
<400> Arg Trp Ala Gln Lys Glu Tyr Gly Ala Val Thr Ser Phe Thr Glu
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<210> SEQ ID NO: 97
<211> 15
<212> Peptide
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<400> Glu Tyr Gly Ala Val Thr Ser Phe Thr Glu Leu Lys Ile Ala Arg
5 10 15

<210> SEQ ID NO: 98
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<212> Peptide
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<220> Domain: 175-189
<400> Thr Ser Phe Thr Glu Leu Lys Ile Ala Arg Asn Ile Tyr Ile Lys
5 10 15

<210> SEQ ID NO: 99
<211> 15
<212> Peptide
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<220> Domain: 180-194
<400> Leu Lys Ile Ala Arg Asn Ile Tyr Ile Lys Val Gly Glu Asp Gln
5 10 15

<210> SEQ ID NO: 100
<211> 15
<212> Peptide
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<220> Domain: 185-199
<400> Asn Ile Tyr Ile Lys Val Gly Glu Asp Gln Val Phe Pro Pro Thr
5 10 15

<210> SEQ ID NO: 101
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor

<220> Domain: 190-201
<400> Val Gly Glu Asp Gln Val Phe Pro Pro Thr Cys Asn Ile Gly Lys
5 10 15

<210> SEQ ID NO: 102
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<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 195-209
<400> Val Phe Pro Pro Thr Cys Asn Ile Gly Lys Asn Phe Leu Ser Leu
5 10 15

<210> SEQ ID NO: 103
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 200-214
<400> Cys Asn Ile Gly Lys Asn Phe Leu Ser Leu Asn Tyr Leu Ala Glu
5 10 15

<210> SEQ ID NO: 104
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 205-219
<400> Asn Phe Leu Ser Leu Asn Tyr Leu Ala Glu Tyr Leu Gln Pro Lys
5 10 15

<210> SEQ ID NO: 105
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 210-224
<400> Asn Tyr Leu Ala Glu Tyr Leu Gln Pro Lys Ala Ala Glu Gly Cys
5 10 15

<210> SEQ ID NO: 106
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 215-229
<400> Tyr Leu Gln Pro Lys Ala Ala Glu Gly Cys Val Leu Pro Ser Gln
5 10 15

<210> SEQ ID NO: 107
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 220-234

<400> Ala Ala Glu Gly Cys Val Leu Pro Ser Gln Pro His Glu Lys Glu
5 10 15

<210> SEQ ID NO: 108
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 225-239
<400> Val Leu Pro Ser Gln Pro His Glu Lys Glu Val His Ile Ile Glu
5 10 15

<210> SEQ ID NO: 109
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 230-244
<400> Pro His Glu Lys Glu Val His Ile Ile Glu Leu Ile Thr Pro Ser
5 10 15

<210> SEQ ID NO: 110
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 235-249
<400> Val His Ile Ile Glu Leu Ile Thr Pro Ser Ser Asn Pro Tyr Ser
5 10 15

<210> SEQ ID NO: 111
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 240-254
<400> Leu Ile Thr Pro Ser Ser Asn Pro Tyr Ser Ala Phe Gln Val Asp
5 10 15

<210> SEQ ID NO: 112
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 250-264
<400> Ala Phe Gln Val Asp Ile Ile Val Asp Ile Arg Pro Ala Gln Glu
5 10 15

<210> SEQ ID NO: 113
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 255-269
<400> Ile Ile Val Asp Ile Arg Pro Ala Gln Glu Asp Pro Glu Val Val

5 10 15

<210> SEQ ID NO: 114
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 260-274
<400> Arg Pro Ala Gln Glu Asp Pro Glu Val Val Lys Asn Leu Val Leu
5 10 15

<210> SEQ ID NO: 115
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 265-279
<400> Asp Pro Glu Val Val Lys Asn Leu Val Leu Ile Leu Lys Cys Lys
5 10 15

<210> SEQ ID NO: 116
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 270-284
<400> Lys Asn Leu Val Leu Ile Leu Lys Cys Lys Lys Ser Val Asn Trp
5 10 15

<210> SEQ ID NO: 117
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 275-289
<400> Ile Leu Lys Cys Lys Lys Ser Val Asn Trp Val Ile Lys Ser Phe
5 10 15

<210> SEQ ID NO: 118
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 280-294
<400> Lys Ser Val Asn Trp Val Ile Lys Ser Phe Asp Val Lys Gly Asn
5 10 15

<210> SEQ ID NO: 119
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 285-299
<400> Val Ile Lys Ser Phe Asp Val Lys Gly Asn Leu Lys Val Ile Ala
5 10 15

<210> SEQ ID NO: 120
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 290-304
<400> Asp Val Lys Gly Asn Leu Lys Val Ile Ala Pro Asn Ser Ile Gly
5 10 15

<210> SEQ ID NO: 121
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 295-309
<400> Leu Lys Val Ile Ala Pro Asn Ser Ile Gly Phe Gly Lys Glu Ser
5 10 15

<210> SEQ ID NO: 122
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 300-314
<400> Pro Asn Ser Ile Gly Phe Gly Lys Glu Ser Glu Arg Ser Met Thr
5 10 15

<210> SEQ ID NO: 123
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 305-319
<400> Phe Gly Lys Glu Ser Glu Arg Ser Met Thr Met Thr Lys Leu Val
5 10 15

<210> SEQ ID NO: 124
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 310-324
<400> Glu Arg Ser Met Thr Met Thr Lys Leu Val Arg Asp Asp Ile Pro
5 10 15

<210> SEQ ID NO: 125
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 325-329
<400> Met Thr Lys Leu Val Arg Asp Asp Ile Pro Ser Thr Gln Glu Asn
5 10 15

<210> SEQ ID NO: 126
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 320-334
<400> Arg Asp Asp Ile Pro Ser Thr Gln Glu Asn Leu Met Lys Trp Ala
5 10 15

<210> SEQ ID NO: 127
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 325-339
<400> Ser Thr Gln Glu Asn Leu Met Lys Trp Ala Leu Asp Asn Gly Tyr
5 10 15

<210> SEQ ID NO: 128
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 330-344
<400> Leu Met Lys Trp Ala Leu Asp Asn Gly Tyr Arg Pro Val Thr Ser
5 10 15

<210> SEQ ID NO: 129
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 335-349
<400> Leu Asp Asn Gly Tyr Arg Pro Val Thr Ser Tyr Thr Met Ala Pro
5 10 15

<210> SEQ ID NO: 130
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 340-354
<400> Arg Pro Val Thr Ser Tyr Thr Met Ala Pro Val Ala Asn Arg Phe
5 10 15

<210> SEQ ID NO: 131
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 345-359
<400> Tyr Thr Met Ala Pro Val Ala Asn Arg Phe His Leu Arg Leu Glu
5 10 15

<210> SEQ ID NO: 132
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 350-364
<223> Descripcion/Posicion
<400> Val Ala Asn Arg Phe His Leu Arg Leu Glu Asn Asn Glu Glu Met
1 5 10 15

<210> SEQ ID NO: 133
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 355-369
<400> His Leu Arg Leu Glu Asn Asn Glu Glu Met Arg Asp Glu Glu Val
1 5 10 15

<210> SEQ ID NO: 134
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 360-374
<400> Asn Asn Glu Glu Met Arg Asp Glu Glu Val His Thr Ile Pro Pro
1 5 10 15

<210> SEQ ID NO: 135
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 365-369
<400> Arg Asp Glu Glu Val His Thr Ile Pro Pro Glu Leu Arg Ile Leu
1 5 10 15

<210> SEQ ID NO: 136
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 370-384
<400> His Thr Ile Pro Pro Glu Leu Arg Ile Leu Leu Asp Pro Asp His
1 5 10 15

<210> SEQ ID NO: 137
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 375-389
<400> Glu Leu Arg Ile Leu Leu Asp Pro Asp His Pro Pro Ala Leu Asp
1 5 10 15

<210> SEQ ID NO: 138
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 380-394
<400> Leu Asp Pro Asp His Pro Pro Ala Leu Asp Asn Pro Leu Phe Pro
1 5 10 15

<210> SEQ ID NO: 139
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 385-399
<400> Pro Pro Ala Leu Asp Asn Pro Leu Phe Pro Gly Glu Gly Ser Pro
1 5 10 15

<210> SEQ ID NO: 140
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 390-404
<400> Asn Pro Leu Phe Pro Gly Glu Gly Ser Pro Asn Gly Gly Leu Pro
1 5 10 15

<210> SEQ ID NO: 141
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 395-409
<400> Gly Glu Gly Ser Pro Asn Gly Gly Leu Pro Phe Pro Phe Pro Asp
1 5 10 15

<210> SEQ ID NO: 142
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 400-414
<400> Asn Gly Gly Leu Pro Phe Pro Phe Pro Asp Ile Pro Arg Arg Gly
1 5 10 15

<210> SEQ ID NO: 143
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 405-419
<400> Phe Pro Phe Pro Asp Ile Pro Arg Arg Gly Trp Lys Glu Gly Glu
1 5 10 15

<210> SEQ ID NO: 144

<211> 12
<212> Peptide
<213> Modified synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 731-742
<400> Thr Ser Leu Asp Ala Thr Met Ile Trp Asp Asp Asp
5 10

<210> SEQ ID NO: 145
<211> 11
<212> Peptide
<213> Modified synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 731-742
<400> Asp Asp Asp Ala Thr Met Ile Trp Thr Met Met
5 10

<210> SEQ ID NO: 146
<211> 7
<212> Peptide
<213> Modified synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 734-740
<400> Asp Ala Thr Met Ile Trp Asp
5

<210> SEQ ID NO: 147
<211> 9
<212> Peptide
<213> Modified synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 731-739
<400> Thr Ser Leu Asp Ala Thr Thr Met Met
5

<210> SEQ ID NO: 148
<211> 18
<212> Peptide
<213> synthetic peptide from rat TGBβ1 type II receptor
<220> Domain: 84-101
<400> Cys Val Ala Val Trp Arg Lys Asn Asp Glu Asn Ile Thr Leu Glu Thr Val
5 10 15
Cys

<210> SEQ ID NO: 149
<211> 19
<212> Peptide
<213> Synthetic peptide from human fetuin
<220> Domain: 114-132
<400> Cys Asp Phe Gln Leu Leu Lys Leu Asp Gly Lys Phe Ser Val Val Tyr Ala
5 10 15
Lys Cys

<210> SEQ ID NO: 150
<211> 18
<212> Peptide
<213> Synthetic peptide from rat fetuin
<220> Domain: 114-132
<400> Cys Asp Phe His Ile Leu Lys Gln Asp Gly Gln Phe Arg Val Cys His Ala
1 5 10 15
Gln Cys

<210> SEQ ID NO: 151
<211> 18
<212> Peptide
<213> Synthetic peptide from sheep fetuin
<220> Domain: 114-132
<400> Cys Asp Ile His Val Leu Lys Gln Asp Gly Phe Ser Val Leu Phe Thr Lys
1 5 10 15
Cys Asp

<210> SEQ ID NO: 152
<211> 15
<212> Peptide
<213> Synthetic peptide from pig endoglin
<220> Domain: 289-303
<400> Val Asn Leu Pro Asp Thr Arg Gln Gly Leu Leu Glu Glu Ala Arg
1 5 10 15

<210> SEQ ID NO: 153
<211> 15
<212> Peptide
<213> Synthetic peptide from pig endoglin
<220> Domain: 481-495
<400> Pro Ser Ile Pro Glu Leu Met Thr Gln Leu Asp Ser Cys Gln Leu
1 5 10 15

<210> SEQ ID NO: 154
<211> 15
<212> Peptide
<213> Synthetic peptide from pig endoglin
<220> Domain: 479-493
<400> Met Ser Pro Ser Ile Pro Glu Leu Met Thr Gln Leu Asp Ser Cys
1 5 10 15

<210> SEQ ID NO: 155
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin

<220> Domain: 13-24
<400> Leu Leu Leu Leu Val Leu Leu Pro Thr Asp Ala Ser
5 10

<210> SEQ ID NO: 156
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 20-31
<400> Pro Thr Asp Ala Ser Val Ser Gly Lys Pro Gln Tyr
5 10

<210> SEQ ID NO: 157
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 44-55
<400> Thr Glu Lys Gly Cys Val Leu Leu Ser Tyr Leu Asn
5 10

<210> SEQ ID NO: 158
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 166-177
<400> Tyr Ile Gln Asp Pro Lys Gly Asn Arg Ile Ala Gln
5 10

<210> SEQ ID NO: 159
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 192-203
<400> Phe Pro Leu Ser Ser Glu Pro Phe Gln Gly Ser Tyr
5 10

<210> SEQ ID NO: 160
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 247-258
<400> Asn Val Ser Val Cys Gly Leu Tyr Thr Tyr Gly Lys
5 10

<210> SEQ ID NO: 161
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 248-259
<400> Val Ser Val Cys Gly Leu Tyr Thr Tyr Gly Lys Pro

5 10

<210> SEQ ID NO: 162
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 250-261
<400> Val Cys Gly Leu Tyr Thr Tyr Gly Lys Pro Val Pro
5 10

<210> SEQ ID NO: 163
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 267-278
<400> Ser Ile Cys Arg Lys Tyr Ser Asp Ala Ser Asp Cys
5 10

<210> SEQ ID NO: 164
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 469-480
<400> Pro Cys Gly His Thr Gln Thr Val Gln Ala His Tyr
5 10

<210> SEQ ID NO: 165
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 554-565
<400> Asp Ser Ala Lys Tyr Asp Val Glu Asn Cys Leu Ala
5 10

<210> SEQ ID NO: 167
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 790-801
<400> Gln Pro Phe Phe Val Glu Leu Thr Met Pro Tyr Ser
5 10

<210> SEQ ID NO: 168
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 827-838
<400> Gln Leu Glu Ala Ser Pro Ala Phe Leu Ala Val Pro
5 10

<210> SEQ ID NO: 169
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 825-836
<400> Ser Val Gln Leu Glu Ala Ser Pro Ala Phe Leu Ala
5 10

<210> SEQ ID NO: 170
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 876-887
<400> Ala Leu Glu Ser Gln Glu Leu Cys Gly Thr Glu Val
5 10

<210> SEQ ID NO: 171
<211> 11
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 1001-1012
<400> Lys Ser Lys Ile Gly Tyr Leu Asn Thr Gly Tyr
5 10

<210> SEQ ID NO: 172
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 1005-1016
<400> Ile Gly Tyr Leu Asn Thr Gly Tyr Gln Arg Gln Leu
5 10

<210> SEQ ID NO: 173
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 1162-1173
<400> Lys Arg Lys Glu Val Leu Lys Ser Leu Asn Glu Glu
5 10

<210> SEQ ID NO: 174
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 1193-1204
<400> Val Gly His Phe Tyr Glu Pro Gln Ala Pro Ser Ala
5 10

<210> SEQ ID NO: 175

<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 1209-1220
<400> Thr Ser Tyr Val Leu Leu Ala Tyr Leu Thr Gln Ala
5 10

<210> SEQ ID NO: 176
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 1211-1222
<400> Tyr Val Leu Leu Ala Tyr Leu Thr Ala Gln Pro Ala
5 10

<210> SEQ ID NO: 177
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 1256-1267
<400> Val Ala Leu His Ala Leu Ser Lys Tyr Gly Ala Ala
5 10

<210> SEQ ID NO: 178
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 1232-1243
<400> Tyr Gly Arg Asn Gln Gly Asn Thr Trp Leu Thr Ala
5 10

<210> SEQ ID NO: 179
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 1234-1245
<400> Arg Asn Gln Gly Asn Thr Trp Leu Thr Ala Phe Val
5 10